



## Excavator-mounted drill rigs

**EXCA** ■ ■ ■  
**DRILL** ■ ■ ■  
PROVIDED BY **Junttan**

ADVANCED DRILLING TECHNOLOGY

A large-scale quarry operation. In the background, a massive, layered rock face rises steeply. At the top of this face, a yellow excavator is visible. In the foreground, a large pile of broken, greyish-brown rocks covers the ground. A red Doosan excavator is positioned on the right side of the rock pile, working on a green conveyor system. The sky is overcast with grey clouds, and a line of green trees is visible at the top of the rock face.

## Turning insurmountable obstacles into temporary

This is between you and the rock. Man against the toughest surface nature can provide. Finding the strongest, smartest way to challenge the opponent requires plenty of professional understanding and a comprehensive set of equipments. Because even in the world of raw power and tough attitudes, a certain amount of intelligence and sophistication have proven useful.

ExcaDrill bores your way into improved profitability. While efficient and precise, it sets you up with an amazing amount of sheer power, enabling you to drill right down to the core of the rock. The road to new opportunities may not always be that even, but with ExcaDrill, anything that comes into your way can be dealt with.



## The AutoDrill system makes **the drilling process easy and effective**

All ExcaDrill units are equipped with the AutoDrill automatic drilling system. One of the most significant advantages of AutoDrill is the fact it makes it a lot easier to learn the specifics of drilling process, thus enabling more efficient use of the machinery.

The direction of drilling is controlled from the display unit. The drilling process starts at half power and reaches the maximum performance gradually and automatically.

The AutoDrill system immediately reacts to changes in the rock. The system monitors the drilling resistance and when the resistance grows it automatically readjusts the drilling parameters. This feature makes the holes straighter and reduces the drill tool wear.

Due to the AutoDrill system the drilling efficiency has increased, especially when drilling in fragmented rock. No special professional skill is required anymore to obtain straight holes.

The Can Open technique used in the ExcaDrill attachments together with the Auto-Drill system allow various adjustments, such as the fine-tuning of pressure during drilling, automatic stop defined by preset drill depth, various data readouts, remote maintenance, etc. The system is even capable to control itself.



The graphic display of ExcaDrill is user-friendly. The angle and depth measuring system is included. ExcaDrill can be also equipped with a video monitoring camera. This allows the remote visual control of the drilling process on graphic display.



## ExcaDrill 22A

The ExcaDrill 22A is designed for foundation drilling, road cutting, pipeline trenching, demolition works and dimensional stone quarries with the hole diameter range of 30-40 mm.



## ExcaDrill 25A

The ExcaDrill 25A is designed for foundation drilling, road cutting, pipeline trenching, demolition works and dimensional stone quarries with the hole diameter range of 30-45 mm.

ExcaDrill 25A is also good choice when drilling 45 mm holes for hydraulic demolition tools.



## ExcaDrill 28A

ExcaDrill 28A is a perfect choice for foundation drilling, road cutting, pipeline trenching, demolition works and dimensional stone quarries with the hole diameter range of 38-51 mm.

Horizontal holes can also be drilled for wire saw cuttings in dimensional stone quarries.



## ExcaDrill 38A

ExcaDrill 38A is a medium-duty drilling machine for various civil engineering projects with the hole size range of 45-76 mm.

With optional rod magazine it is possible to drill up to 29 m.



## ExcaDrill 45A

ExcaDrill 45A is unique in all respects. Its versatility allows using it for a wide variety of jobs, such as quarrying, construction and surface mining operations up to the depth of 29 m with the hole size range of 51-102 mm.



## ExcaDrill 51A

ExcaDrill 51A is especially made for surface mining operations and quarrying up to the depth of 29 m with the hole size range of 76-127 mm.

With ExcaDrill 51A it is possible to do anchor drilling and drill piling.



## ExcaDrill advantages

ExcaDrill represents an absolutely new and innovative drilling concept. It is based on the principle of attaching the unit as an accessory to the excavator, which allows it to use the existing hydraulic system. It takes less than five minutes to change the bucket for the drilling unit.

The benefit of using ExcaDrill is more than obvious: The same excavator can do different tasks like drilling, excavations, loading, etc. Only one operator is needed to do all this, since all models are equipped with the AutoDrill automatic drilling system.

One ExcaDrill unit can be used on many excavators, i.e. only the drill attachment is moved from one site to another. With the help of ExcaDrill it is possible to drill more efficiently due to the wide working radius and the good maneuverability of the excavator. **The percussion hour to engine hour ratio is more than 60 %, which is substantially higher than what can be achieved with conventional drilling rigs.**

Thanks to its strong steel construction and ExcaDrill attachments, the excavator can be enabled to move even in the toughest areas.

ExcaDrill units can also be equipped with a video camera mounted on the excavator's boom, which makes it possible to follow the drilling process from close range.

All models can be equipped with a laser, which allows drilling of all holes at the same depth.

ExcaDrill series includes six model covering the hole diameters from 30 to 127 mm. The use of the optional rod magazine allows drilling holes up to 29 meters deep. In practice, ExcaDrill is a real drilling rig equipped with the cabin. ExcaDrill is also suitable for drilling water and air flushing, both above and below ground level.

### ExcaDrill Models & Technical specifications

Model	Control	Hole diameter range (Ø) (inch)	Compressor (m <sup>3</sup> /minute) (CFM)	Drifter Doofor	Excavator weight category - tonnes	Total weight - kg (lb)
22A	AutoDrill	30-41 mm (1 3/16" - 1 5/8")	1,3 (45.9)	DF430X	9-21	950 (2 094)
25A	AutoDrill	30-45 mm (1 3/16" - 1 3/4")	2,6 (91.8)	DF500X	13-21	950 (2 094)
28A	AutoDrill	38-51 mm (1 1/2" - 2")	2,6 (91.8)	DF500S	13-21	1 000 (2 205)
38A	AutoDrill	45-76 mm (1 3/4" - 3")	5,0 (176.6)	DF550S	21-35	2 500 (5 511)
45A	AutoDrill	51-102 mm (2" - 4")	6,0 (211.9)	DF600S	23-40	2 600 (5 732)
51A	AutoDrill	76-127 mm (3" - 5")	7,0 (247.2)	DF700S	35-45	2 850 (6 283)

# Going beyond the conventional to take your business further

Junttan Oy specializes in the design, manufacture, marketing and service of hydraulic piling equipment and ExcaDrill excavator-mounted drill rigs. Working closely with contractors, Junttan has actively developed new products and advanced the entire industry for over 35 years.

Today, Junttan machines and accessories are in use on every continent. The company's product range comprises the world's leading pile driving rigs, multipurpose piling rigs and deep stabilization rigs, as well as hydraulic impact hammers, rotary heads, powerpacks and ExcaDrill drilling units.

The ExcaDrill business unit aims to serve earth construction industry by using the latest technology with innovative people, thus offering a more effective way to do things.

#### Main address

Junttan Oy  
Matkuksentie 7  
FI-70800 KUOPIO  
FINLAND

#### Mail address

PO Box 1702  
FI-70701 KUOPIO  
FINLAND

Tel. +358 10 195 221  
Fax +358 17 287 4411  
junttan@junttan.com  
[www.junttan.com](http://www.junttan.com)



**EXCA  
DRILL** ■ ■ ■ ■ ■ ■ ■ ■ ■ ■  
PROVIDED BY **Junttan**